SIRIUS
SATELLITE RADIO

SIR-SNY1

SONY COMPATIBLE
SIRIUS SATELLITE RADIO TUNER

Installation Guide

SIRIUS connect

Congratulations on your purchase of the SIR-SNY1– the Sony Compatible SIRIUS Satellite Radio Tuner!

Your new SIRIUS Tuner is designed to work with Sony headunits that are designated to be "SATELLITE RADIO READY". Contact Sony or SIRIUS for model compatibility.

What is SIRIUS Satellite Radio?

Over 120 channels of the best entertainment and completely commercial-free music for your car, home or office.
SIRIUS has more than 65 original music channels, from today's hits to R&B oldies to classical masterpieces. From authentic Country and real Bluegrass to cool Jazz, hot Latin, Reggae, Rock and many more. Best of all, it's all completely commercial-free.

SIRIUS also has more than 55 channels of world-class sports, news and entertainment. Included as part of your subscription, you get up to 16 NFL games a week, up to 40 NBA games a week and up to 40 NHL games a week. (Games are broadcasted during their respective seasons.) Coupled with great sports news from SIRIUS NFL Radio and ESPN, the SIRIUS sports offering is unrivaled. And don't forget a host of other great news and entertainment, like NPR, CNBC, Fox News, Martha Stewart Living Radio, Radio Disney, and the Maxim Channel.

With SIRIUS, the emphasis is on the music and entertainment you want. The music is hosted by SIRIUS Jockeys, who are true experts. They back-up the music with compelling information about the song being played, and they understand that sometimes it's best to just let the music speak for itself.

Rely on SIRIUS rocket science for superior coverage.
Only SIRIUS has **three** powerful satellites that fly directly over the U.S. ensuring coast-to-coast coverage with high elevation angles. This gives the satellites a "clear line of sight" to your car or home, with much less concern for buildings, trees or other objects that might block conventional satellite signals.

Once you experience more than 120 channels of digital entertainment, you'll never want to leave your car. For more information, visit www.sirius.com.

SIRIUS SATELLITE RADIO

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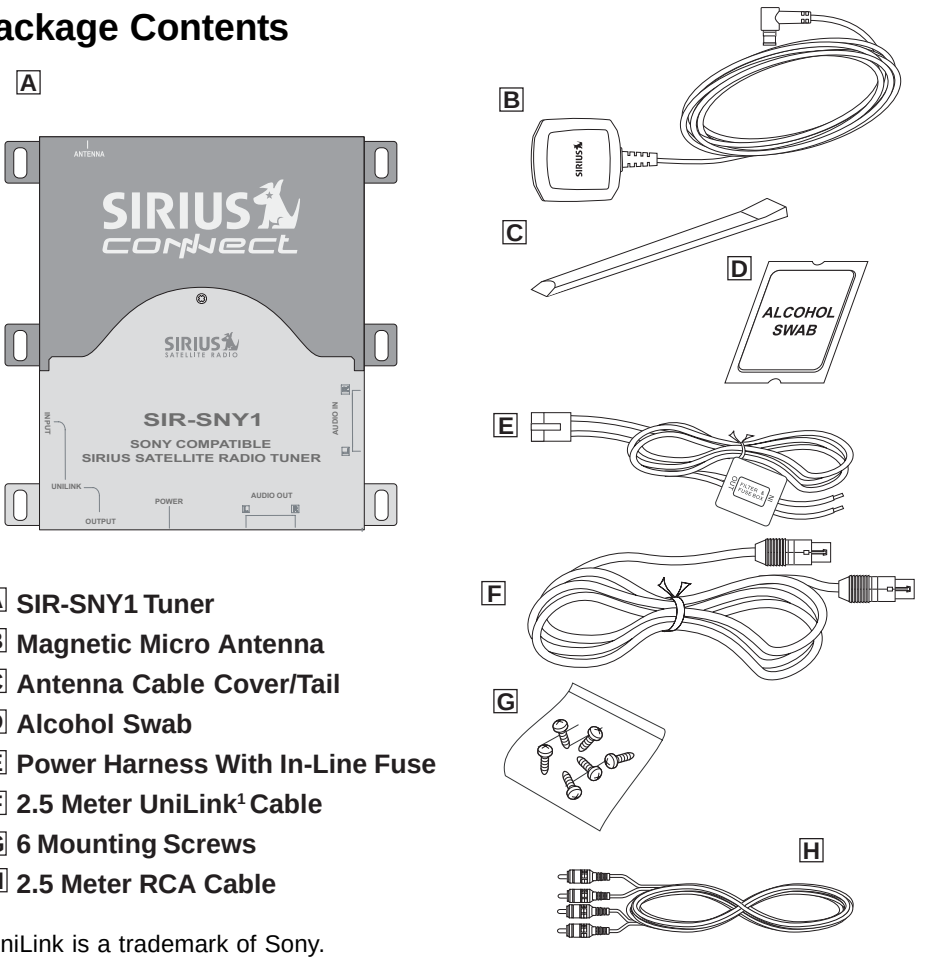
Package Contents



- A SIR-SNY1 Tuner
- B Magnetic Micro Antenna
- C Antenna Cable Cover/Tail
- D Alcohol Swab
- E Power Harness With In-Line Fuse
- F 2.5 Meter UniLink[1] Cable
- G 6 Mounting Screws
- H 2.5 Meter RCA Cable

[1] UniLink is a trademark of Sony.

WARNING

This symbol means important instructions. Failure to heed them can result in serious injury or death. DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions.

Failure to do so may result in an accident.

DO NOT OPEN, DISASSEMBLE OR ALTER THE UNIT IN ANY WAY. Doing so may result in fire, electric shock or product damage.

DO NOT INSERT ANY OBJECTS INTO THE UNIT. Doing so may result in fire, electric shock or product damage.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSE. Failure to do so may result in fire, electric shock or product damage.

MAKE THE CORRECT CONNECTIONS. Failure to make proper connections may result in fire or product damage.

DO NOT SPLICE INTO A ELECTRICAL CABLES. Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

DO NOT INSTALL IN LOCATIONS THAT MIGHT HINDER VEHICLE OPERATION. Doing so may obstruct vision or hamper movement which can result in a serious accident.

DO NOT INSTALL THE UNIT TO HIGH LEVELS OF HUMIDITY, MOISTURE OR DUST. Doing so can result in electric shock or product failure.

FCC Warning: This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in this User Guide. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

Note: This equipment has been tested and found to comply with Part 15 of the FCC Rules. These rules are designed to provide reasonable protection against harmful interference. This equipment may cause harmful interference to radio communications if it is not installed and used in accordance with these instructions. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of more of the following measures:

- Relocate the receiving antenna.
- Consult the dealer or an experienced technician for help.

⚠ CAUTION

This symbol means important instructions. Failure to heed them can result in injury or material property damage.

HALT USE IMMEDIATELY IF A PROBLEM APPEARS. Failure to do so may cause personal injury or damage to the product. Return the unit to your authorized retailer or nearest service center for repairing.

INSTALL THE WIRING SO THAT IT IS NOT CRIMPED OR PINCHED BY SCREWS OR SHARP METAL EDGES. Route the cables away from moving parts or sharp pointed edges. This will prevent crimping and damage to the wiring. If the wiring must pass through a metal hole, be sure to use a rubber grommet to prevent the wire's insulation from being cut by the metal edge of the hole.

USE THE SPECIFIED ACCESSORY PARTS AND INSTALL THE PRODUCT SECURELY. Be sure to use only the specified accessory parts. Use of non-specified parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose, resulting in hazards or product failure.

USE CAUTION IF YOU NEED TO DISCONNECT THE BATTERY TERMINAL. Please consult the vehicle's owner's manual or a service technician prior to removing the battery positive or ground connection, as it may cause damage to the vehicle's electrical system or require reprogramming of the vehicle's computer-controlled devices.

Installation

It is recommended that prior to starting the installation, you thoroughly read this manual and follow the guidelines listed below:

Consider the mounting location carefully. You should make sure that you avoid the following:

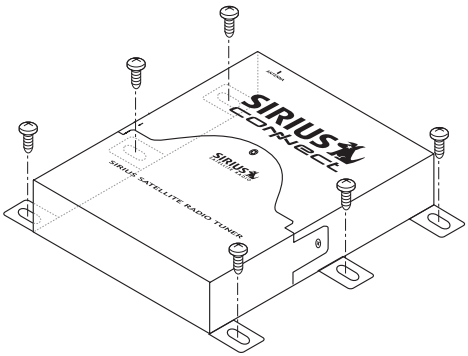
- Any location where the tuner is exposed to moisture.
- Any location where the unit is exposed to extreme heat.
- Any location that would interfere with moving parts on the vehicle or hamper driving.

Mounting the SIR-SNY1 Tuner

Be sure that you find a location that is flat and has clearance above the unit to prevent any damage as well as allow for ventilation.

Do not install the tuner under the carpet or in a small enclosed area without proper ventilation. Doing so can result in damage to the tuner or the vehicle.

Use the supplied screws to securely fasten the unit.



Caution:

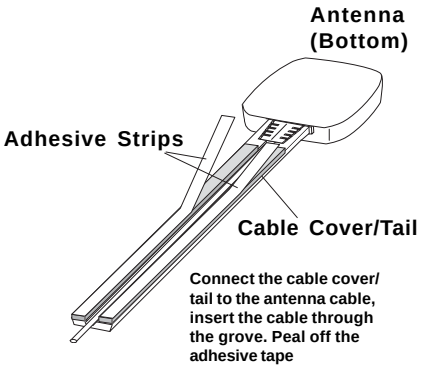
If you are attaching the unit directly to the vehicle's chassis, be sure that you check to make sure the area behind the unit is free from moving parts, fuel or break lines, wire harnesses or any other items which may get damaged by drilling a mounting hole or using the supplied screws.

Installing the Antenna

The antenna includes a 6-1/2" cable cover/tail which covers the exposed antenna cable and keeps it attached securely to vehicle roof. The tail also helps position the antenna the proper distance from the window, sunroof or rear hatch.

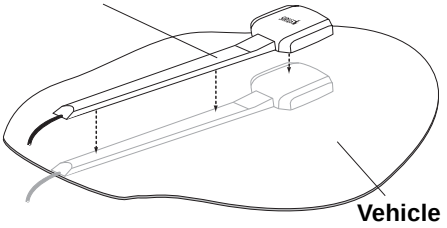
To attach the cover/tail:

1) Once you have determined the proper mounting location (see next section), clean the area with the supplied alcohol swab.
2) Connect the cover/tail to the antenna cable, making sure that the strain-relief on the antenna seats into the cover/tail groove. Route the cable through the wire channel in the cover/tail.



3) Remove the remaining protective tape from the adhesive, carefully position the antenna with cover/tail and apply pressure to secure to the vehicle.

Cable Cover/Tail



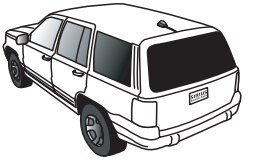
Optimum Antenna Mounting Locations

The optimum location to mount the included antenna is on the roof of the vehicle. It is important to avoid any obstruction that will block satellite signal – like a roof rack. For convertible vehicles, install the antenna on the trunk lid.

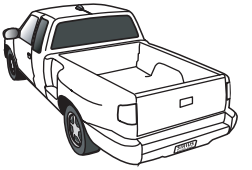
- Place the antenna on a metal surface of your vehicle at least 12" x 12", and at least 6" from a window. (Use the antenna cover/tail as a guide for the proper distance).
- The antenna's powerful magnet will secure it to the metal surface. The adhesive that is attached to the antenna cover/tail will secure the cable to the vehicle. Before routing the antenna cable, confirm that the antenna is mounted in a good location.
- Route the cable from the antenna to the vehicle's interior by tucking it underneath the rubber molding around the rear window (if possible).
- Route the cable from the lowest point of the rear window into the trunk. Take advantage of any existing cable channels or wiring conduits.
- For SUVs, minivans and five-door vehicles, bring the cable into the vehicle under the rubber molding for the tailgate, and continue under the interior trim.
- From the trunk, carefully route the cable to the location of the SIR-SNY1 and plug the SMB connector onto the unit.

Sedan/Coupe

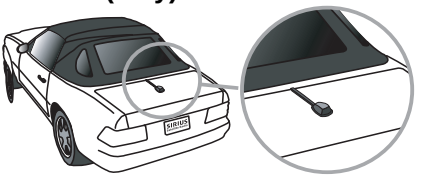
SUV/Mini-Van



Truck



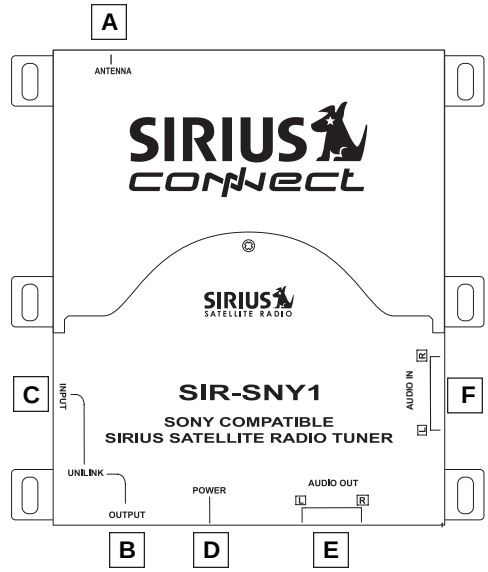
Convertible (only)



Caution:

- Do not pull the wire across sharp edges that could damage it.
- Keep the wire away from areas where it could become tangled in the driver's and passenger's feet.
- Keep the antenna wire away from extreme heat – like exhaust systems.
- Avoid placing the cable near any moving parts

Wiring and Cable Connections



A. Antenna Input
Connect the right-angle SMB connector from the antenna. Push firmly to attach.

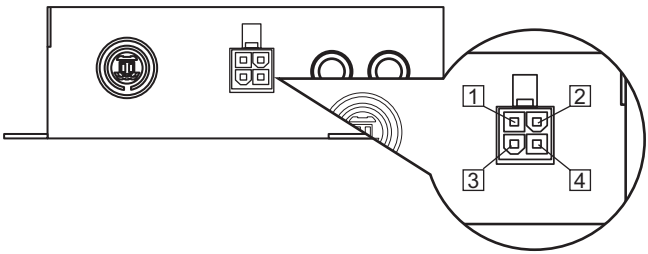
B. UniLink Output Connector
Use the supplied UniLink cable to connect to the Sony Headunit. See "System Connection Examples" for more specific details.

C. UniLink Input Connector
Connect to optional Sony audio equipment like CD Changers. See "System Connection Examples" for more specific details.

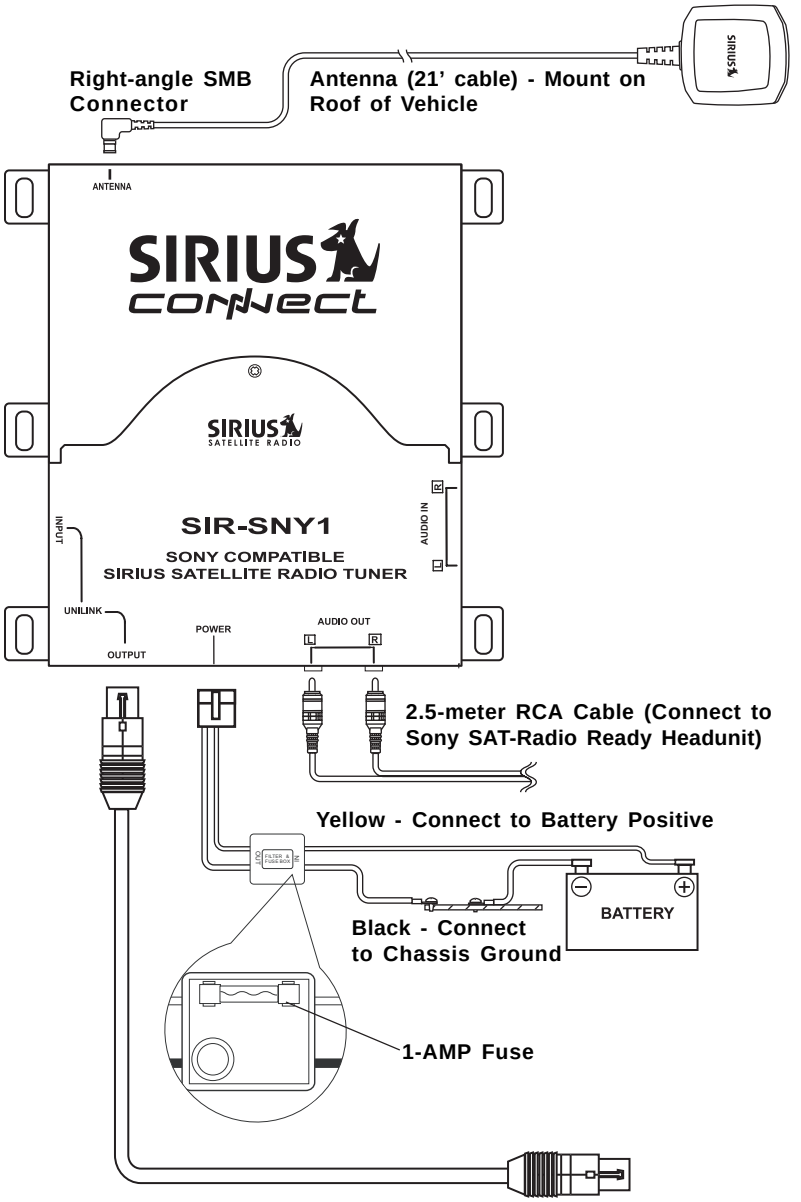
D. Power Harness Connector
After the wiring connections are complete, plug the wiring harness into the connector. Make sure to insert firmly to lock the connector in place.

E. Audio Out
Use the supplied RCA cables to connect to the bus-in audio inputs of the Sony headunit.

F. Audio In
Connect to audio output of optional Sony audio equipment like CD Changers.

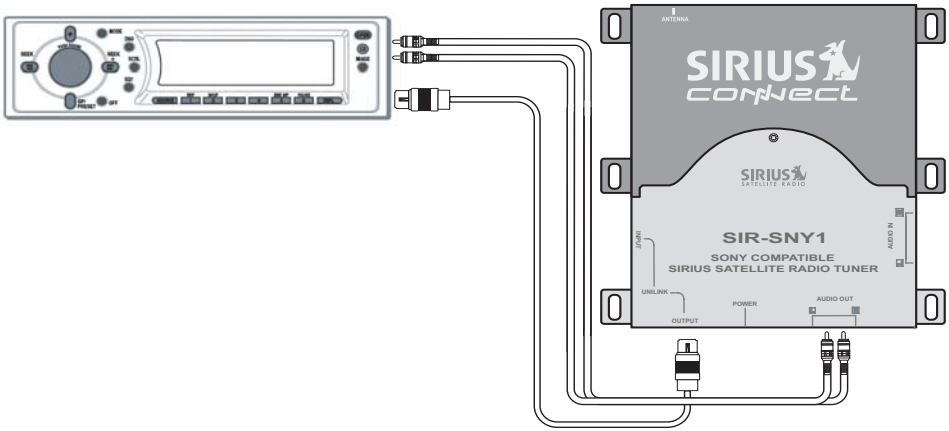


1 Open
2 Battery (+)
3 Chassis Ground (–)
4 Open

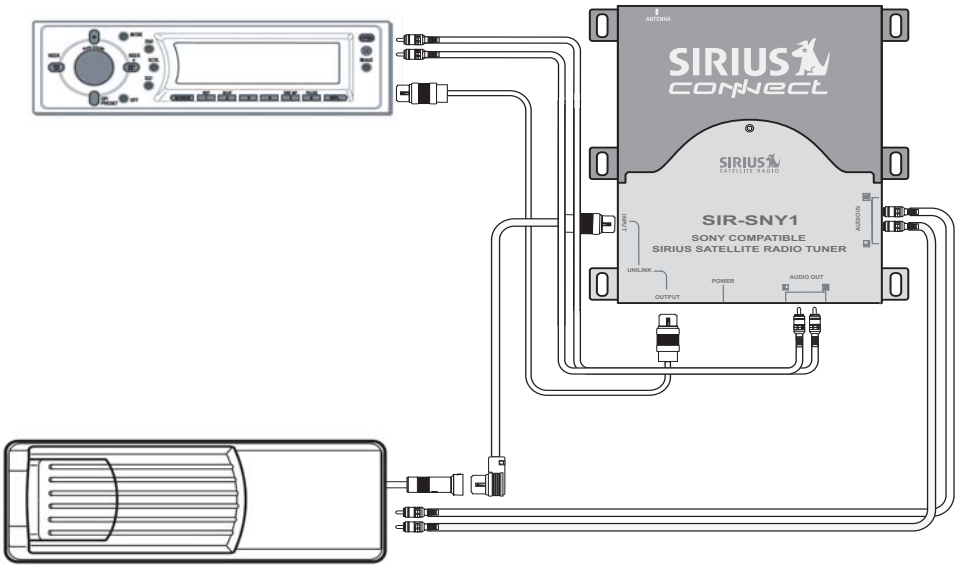

Right-angle SMB Connector
Antenna (21' cable) - Mount on Roof of Vehicle
SIRIUS
ANTENNA
SIRIUS connect
SIRIUS SATELLITE RADIO
SIR-SNY1
SONY COMPATIBLE
SIRIUS SATELLITE RADIO TUNER
INPUT
UNILINK
OUTPUT
POWER
AUDIO OUT
L
R
AUDIO IN
2.5-meter RCA Cable (Connect to Sony SAT-Radio Ready Headunit)
Yellow - Connect to Battery Positive
BATTERY
Black - Connect to Chassis Ground
1-AMP Fuse
2.5-meter UniLink Cable (Connect to Sony SAT-Radio Ready Headunit)

System Connection Examples

System 1: Sony Headunit and SIR-SNY1



System 2: Sony Headunit, DVD/CD Changer and SIR-SNY1



Note: The UniLink pass-through connector can accommodate most optional audio equipment, including CD changers. However, it can not be used to add a second satellite radio tuner.

Activating Your SIRIUS Subscription

You must activate SIR-SNY1 before you can start to receive the SIRIUS Satellite Radio broadcast.

1. Make sure that the SIR-SNY1 is properly connected and that its antenna is oriented to receive the SIRIUS satellite signal.
2. Reset the Sony head unit. On most models, the "Reset" button is visible on the front of the unit behind the detachable faceplate. Consult your Sony owner's manual for the proper reset procedure.
3. Turn on the headunit.
4. Press and release the SOURCE button on the head unit to select SIRIUS as the source. (Each press of the SOURCE button will change to a different audio source.)
5. The display will read "UPDATING" until the SIR-SNY1 channel update is completed. This is where the latest channel line up is updated on the SIRIUS Receiver.
   NOTE: Don't push any buttons or perform any operations until updating has been completed. Once updated and the SIRIUS channels are received, you will be tuned to SIRIUS Satellite Radio's Preview Channel (Channel 184). You should be able to hear the SIRIUS Preview channel's Audio.
6. Find the SIRIUS ID (SID) of your unit. The SID can be found on a sticker on the bottom of the SIR-SNY1 or by tuning to channel 255. While on channel 255, press the display button (DSPL) to select either the artist name or song title. Both fields will display the 12-digit SID. *Please refer to the Auto Scroll section on the following page if you are unable to see the entire 12-digit SID.*
7. Write down the 12 digit SID in the location provided on the next page for future reference.
8. Contact SIRIUS on the Internet: https://activate.siriusradio.com Follow the prompts to activate your subscription.

   You can also call SIRIUS toll-free at 1-888-539-SIRIUS (1-888-539-7474).

   You will not be able to tune to any other channels until you activate your SIRIUS subscription.

The SIR-SNY1 SIRIUS Satellite Radio Tuner is compatible with any Sony headunit that is "Satellite Radio Ready". Consult SIRIUS Customer Support for more information about compatibility.

Please consult your Sony owner's manual for proper operation instructions for using satellite radio products.

Basic Operation

Listening to a program

The Sirius receiver is controlled by the master unit. Button locations vary with different master unit models. Please refer to the master unit instruction manuals.

1. To select Sirius
   a. Press the Source button until “Sirius” or “XM” is displayed
      - or -
   b. Press the Source button until “MD” is displayed, then press the Mode button to Select SIRIUS. For master units which can control more than one MD changer, press the Mode button repeatedly (the display will show “MD1”, “MD2”, etc.) until the receiver is found.

2. Press either Seek button to select the desired channel. Pressing and holding the Seek button will quickly step through the channels.

Note: “LOADING” is indicated while the receiver is reading the information.

Display items

A variety of Sirius Satellite Radio program information (channel name, artist name, song title) is available on the display.

Press the Display (DSPL) button. Each time you press the Display button, the items cycle as follows: Channel Name - Artist/Program Name - Song Title...

Auto Scroll

If available, it is recommended that you turn on the Auto Scroll feature in your radio. This will ensure that you will be able to view all of the available artist and song title information. Please refer to the master unit instruction manuals for information on activating this feature.

Storing favorite channels

You can preset up to 20 channels.

1. Tune in a channel that you want to store.

2. Press the Shuffle (SHUF) button. The radio will show a list of presets, starting with preset 1. The channel number will be shown if a preset has already been stored. *With some master units, the Shuffle button is only equipped on the remote control.*

3. Press the Disc/Preset button to select a preset number. *With some master units, the Disc/Preset button is only equipped on the remote control.*

4. Press the Disc/Preset + (Disc +) button for two seconds. The display shows “MEMORY” if the radio successfully stores the channel into the preset. The display shows “FAILURE” if the radio fails to store the channel into the preset. The radio automatically returns to the normal mode if there is no key pressed within five seconds.

Receiving a stored channel

· Press either Disc/Preset button to select the preset channel you want to listen to.

· Press the Shuffle (SHUF) button. Press the Disc/Preset + (DISC +) button to select the preset channel and then press the SEEK + or SEEK - button to start.

Using category search to locate channels

Each Sirius channel is associated with a category that describes the type of music or programming that is played. Some example categories include rock, country, news, etc. Use the radio's search-by-category function to find and select channels.

1. Press the Repeat (REP) button to enter category search mode. The category of the current channel is displayed. *With some master units, the Repeat button is only equipped on the remote control.*

2. Press the Disc/Preset buttons repeatedly until you find the desired category.

3. Press the Seek buttons repeatedly until you find the desired channel in that category. The display shows "CAT SRCH" to indicate that the radio is in the category search mode. While in this mode, you will only be able to tune to channels in the selected category. You may use the Disc/Preset buttons to choose other categories.

4. To exit from category search mode and return to the normal mode, press the Repeat (REP) button. The radio automatically returns to the normal mode if no key is pressed within five seconds.

Specifications

Operational Frequencies
Satellite ..... 2322.293/2330.207 MHz
Terrestrial 2326.250MHz

Power Requirements ..... 11-16 Volts DC

Chassis Size ..... 126.75mm x 125.75mm x 34.75mm (WxHxD)

Antenna Type ..... Mini-Magnetic
Antenna Cable Length ..... 21' (single micro-cable)
Connector Type ..... SMB (Right-angle)

Audio Output ..... 1.4V rms (Fixed)
Included Cable ..... 2.5 Meter Bus (Male/Male)

Please write down your SIRIUS ID in the space provided below:

SIRIUS ID:

SIRIUS Customer Service: 1-888-539-7474

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SIR-SNY1-Install-Manual-(v11082006)